

Comparisons of Job Characteristics

Focus Occupation: [Radiation Therapists \(29-1124\)](#)

Associated Occupation: [Radiologic Technologists \(29-2034\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Radiation Therapists (29-1124)
Associated Occupation: Radiologic Technologists (29-2034)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Customer and Personal Service	11.3	18.4	17.1	0	Current knowledge level may be sufficient
Medicine and Dentistry	3.7	13.7	14.3	0	Current knowledge level may be sufficient
Physics	4.3	12.4	11.9	0	Current knowledge level may be sufficient
Psychology	6.4	11.2	12.8	>	Current knowledge level is likely sufficient
Biology	3.7	8.6	12.4	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Radiation Therapists (29-1124)
Associated Occupation: Radiologic Technologists (29-2034)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Service Orientation	7.9	10.2	9.2	<	A higher skill level may be required
Operation and Control	5.4	9.5	10.7	>	Skill level is likely sufficient
Operation Monitoring	6.6	9.0	10.8	>	Skill level is likely sufficient
Science	4.5	8.2	8.1	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Radiation Therapists (29-1124)
Associated Occupation: Radiologic Technologists (29-2034)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	10.5	11.1	0	Current ability level may be sufficient
Control Precision	6.6	10.3	9.6	0	Current ability level may be sufficient
Multilimb Coordination	6.0	9.8	9.1	0	Current ability level may be sufficient
Static Strength	5.0	8.2	7.2	<	Some improvement in abilities may be required
Extent Flexibility	4.8	8.0	6.2	<	Some improvement in abilities may be required
Response Orientation	4.0	7.7	6.1	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Radiation Therapists (29-1124)
Associated Occupation: Radiologic Technologists (29-2034)

Work Activities	Exclusivity of Activity
Administer injections	60
Administer radioactive isotopes	95
Collect clinical data	56
Communicate technical information	4
Follow clinical radiation safety procedures	77
Make presentations on health or medical issues	50
Observe patient condition	48
Operate radiologic equipment	99
Position patient for therapy	70
Take vital signs	56
Understand technical operating, service or repair manuals	6
Use interpersonal communication techniques	10
Use knowledge of medical terminology	40
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 76

Focus Occupation: Radiation Therapists (29-1124)
Associated Occupation: Radiologic Technologists (29-2034)

Tools and Technologies	Exclusivity
Computers	1
Emergency medical services resuscitation products	15
Indicating and recording instruments	2
Industry specific software	1
Medical computed tomography CT or CAT systems and related products	27
Medical diagnostic x ray products	26
Medical imaging processing equipment and supplies	33
Medical magnetic resonance imaging MRI products	33
Medical radiation detection or monitoring products	31
Medical radiological positioning aids	47
Medical radiological shielding and protection products	31
Medical ultrasound and doppler and echo imaging products	19

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.